Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	Substitute for form 1449APTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Complete if Known		
				Application Number	10/583,033	
			URE	Filing Date	6/15/2006	
			ANT	First Named Inventor	Hideki YOSHIKAWA	
	•			Art Unit	3768	
(use as many sheets as necessary)			ν)	Examiner Name	J. Brutus	
Sheet	1	of	2	Attorney Docket Number	520.46263X00	

			U.S. PATENT D	OCUMENTS	
Examiner Initials'	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,769,079	6/23/1998	Hossack	
		US- 5,435,311	7/25/1995	Umemura et al	
		US-			
		119.			

	FOREIGN PATENT DOCUMENTS							
Examiner Initials'	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (If Innown)  WO 01/00084	Publication Date MM-DD-YYYY 1/4/2001	Name of Patentee or Applicant of Cited Document Wilk Patent Development Corp	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>0</sup>		

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

on of information unless it displays a valid OMR control number

					mess it displays a valid Omb control num	
Substitute for form	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Complete if Known		
				Application Number	10/583,033	
INFO	RMATION	N DISC	LOSURE	Filing Date	6/15/2006	
STATEMENT BY APPLICANT			PLICANT	First Named Inventor	Hideki YOSHIKAWA	
				Group Art Unit	3768	
(use as many sheets as necessary)			essary)	Examiner Name	J. Brutus	
Sheet	2	of	2	Attorney Docket Number	46263X00	

	_	NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Newhouse VL et al, "Three-Dimensional Vector Flow Estimation Using Two Transducers And Spectral Width", IEEE Transactions on Ultrasonics Ferroelectrics and Frequency Control, IEEE US Vol. 41, No. 1, January 1, 2994 pp 90-95 XP000442119.	
		Theresa A Tuthill, Jonathan M. Rubin, J. B. Fowlkos: "Three-dimensional Flow Vectors from rf Ultrasound Signals", Proc. SPIE (2002), vol 4867, No. 210, 11 April 2003 pp 210-217 XP002529692	
	$\perp$		
			$\perp$
			┖
			┖

Examiner Signature Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

EXAMINENT: fills in tereleticle considered, vinitement of not claim to its ordination is in conformance with merce you considered. Include copy of this form with next communication to applicant.

Applicant's unique claim of seignation number (optional). \*Applicant is to place a check mark here if English language Transition is statched.

This collection of information is required by 37 CPR 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to processe) an application. Conformation is prompted by 35 CPR 1.12 and 37 CPR 1.14. This collection is estimated to take 120 inturties to complete, including gathering preparing, and submitting the completed application from the USPTO. The will vary depending upon the individual case. Any commercial on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Aboxandra, VA 22315-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Aboxandra, VA 22313-4450.